# Editorial Index

# Subject

# **ABDOMINAL IMAGING**

Balloon angioplasty: Putting catheters to work instead of the scalpel, April, p. 46. Leukocyte scan may replace enema as coli-

tis test, March, p. 11.
Removing stones with fluoroscopic guidance, March, p. 48.

CT is preferred for evaluating abdominal trauma, February, p. 11.

# **BONE IMAGING**

Strain of playing piano compositions warps finger bones, July, p. 13.

Radiologist finds few skeletal injuries among parachutists, March, p. 10.

# **BRAIN IMAGING**

PET unit images neurotransmitter receptor in vivo, November, p. 9.

NMR may have important role in diagnosis of brain defects, August, p. 70.

PET images show ischemia causes brain damage, August, p. 26.

Neonatal brain scanning: Choosing between modalities, February, p. 28.

# **BREAST IMAGING**

Cancer Society adopts ACR policy on mammography, November, p. 18.

Imaging experts give approval to breast clinics, November, p. 27.

Complete exams increase sensitivity of mammography, October, p. 13.

Can a computer raise the efficacy of thermography?, September, p. 40.

Ultrasound device enables in-office breast aspiration, August, p. 9.

Mammography update—improving on the best, July, p. 44.

Studies support revised guidelines for mammography, June, p. 13.

Researchers seek NMR application in breast

screening, May, p. 9.
The thermography debate—more heat than

light?, May, p. 46. When referred, many women shun mammogram tests, May, p. 7.

# CANCER

X-ray CT detects small islet cell pancreatic cancer, September, p. 24.

Mammography update—improving on the best, July, p. 44.

The thermography debate—more heat than light?, May, p. 46.

When referred, many women shun mammogram tests, May, p. 7.

NMR has potential to detect cancer, Baylor

This index is a complete list of all feature articles (italics), news and business articles, and columns published in the 1983 issues of Diagnostic Imaging. Articles are listed by subject (cross-referenced as needed) and by author. Columns are listed in the subject index under individual column headings (i.e. "Computers in Medicine" and "Health Lines").

group says, April, p. 10.

Cancer institute to study bio-effects of low radiation, February, p. 8.

# CARDIAC IMAGING

Imaging the heart with magnetic resonance, December, p. 38

Computerized echo gives 3D images of left ventricle, November, p. 10.

Fibrinolytic therapy: New tool for interventional radiologists, November, p. 72. Potent new chemical tools come to nuclear

cardiology, November, p. 86.

Doppler ultrasound with 2D echo aids cardi-

ologists, October, p. 11.

Sound waves track cardiac flow, October, p. 58.

Digital goes to the heart, September, p. 62. Implanted markers can help determine ventricular function, September, p. 5.

Jacket measures electrical activity after heart attack, September, p. 11.

Toothbrush-sized ultrasound probes aid cardiologists, September, p. 9. Imaging techniques can make or break

streptokinase trials, August, p. 12. Space program yields new camera for cardi-

ac imaging, August, p. 7.
Portable DSA units provide images of ven-

tricular function, July, p. 10. SPECT said better than planar analysis for

thallium imaging, July, p. 15. Short-lived radionuclides perk up nuclear

cardiology, April, p. 52.
Ultrasound probe can be placed on beating

Ultrasound probe can be placed on beating heart, January, p. 7.

# CAROTID IMAGING

Can thermography find patients at risk for stroke?, November, p. 18.

Doppler, pulse echo combine to quantify carotid disease, October, p. 18.

# CHEST IMAGING

Chest x-rays detect severity of Legionnaires', October, p. 22.

# COMPUTED TOMOGRAPHY

China modernizes radiology practice with CT purchases, November, p. 23.

Imaging hardware and clinical work reduce CT recalls, November, p. 18.

Ultra-thin CT imaging: Skinny can be beautiful, September, p. 89.

X-ray CT detects small islet cell pancreatic cancer, September, p. 24.

CT better assesses ovarian cancer than clinical exam, August, p. 26.

CT, nuclear studies used to diagnose osteoporosis, August, p. 17.

FDA rejects Technicare plan to fix CT defect, July, p. 23.

Prosthesis design uses contour data from CT scans, July, p. 13.

scans, July, p. 13.

Scanner scare has little impact on system users. June. p. 23.

Nevada hospital protects CT with monitoring device, May, p. 19.

Physician group sues Technicare over CT scanners, May, p. 19.

CT development 'may be limited' as funds shift, April, p. 25. Rock from space gives up secrets to CT scanner, April, p. 7.

CT scanning goes Disneyland, March, p. 2. GE stretches sales of CT scanners to \$800 million, March, p. 23.

CT scans show brain damage in ex-boxers, March, p. 7.

Craniofacial disorders, March, p. 36.
Surgical CT unit gives access to head and neck, March, p. 12.

CT is preferred for evaluating abdominal trauma, February, p. 11.

California study to start placing dynamic CT units, February, p. 17.

Neonatal brain scanning: Choosing between modalities, February, p. 28.

CT and low back pain, January, p. 32.

# COMPUTERS IN MEDICINE

Hospital PAC systems can improve efficient use of radiological resources, December, p. 90.

Expanding the computer's gunbarrel vision, November, p. 159.

Outer space answers to inner space imaging, November, p. 120.

Digital management of nuclear medicine cuts image costs, September, p. 22.

Computer analysis could supplement human judgment, August, p. 18.

Computers give CT scanners the brains to speed-read, August, p. 84.

Microchips enhance manipulation of ultrasound imaging data, July, p. 69.

Demystifying the black boxes of ultrasound imaging, June, p. 79.

New automated radiology system combines image, data management, May, p. 84.

Computers can add personal touch to medical practice, April, p. 7.

Craniofacial disorders, March, p. 36.

3D image display brings scans to life, March, p. 54.

Enhance, magnify, store, retrieve, transmit (and more), February, p. 62.

The high cost of clinical application software, February, p. 2.

Dust on the disc and other computer catastrophes, January, p. 66.

3D image graphics improves planning of cranial surgery, January, p. 7.

# COST CONTAINMENT

High technology can help control health-care costs, November, p. 36.

Speakers warn of DRG's impact on manu-

facturers, November, p. 29.

Technology groups under DRG program may

need watching, October, p. 30.

Digital management of nuclear medicine cuts

image costs, September, p. 22. New techniques cut renal mass imaging

costs, September, p. 15. Ohio holds up equipment sales with morato-

rium, September, p. 17.
Cost-constraint initiatives sweep health-care

system, August, p. 54.
DRG payment to place premium on cost-effi-

ciency, July, p. 7. Hospital group advises caution in DSA pur-

chases, July, p. 23.

Third party insurers look favorably upon cost effectiveness, January, p. 11.

# Editorial Index

# **CRANIAL SURGERY**

Craniotacial disorders, March, p. 36. 3D image graphics improves planning of cranial surgery, January, p. 7.

# DIAGNOSTIC RELATED GROUPS

DRGs cut radiologists' fees, raise questions about peer review, November, p. 41. CONs and DRGs: double jeopardy for NMR

buyers, September, p. 25.

DRG payment scheme may rock radiological practice, August, p. 31.

DRG payment to place premium on cost-efficiency, July, p. 7.

Congress salvages Medicare; hospitals, doctors to foot bill, June, p. 15.

#### DIGITAL RADIOGRAPHY

Attentive patient care can improve DSA quality, December, p. 48.

Approaching radiology's theoretical limits, November, p. 126.

Diasonics lays off 100 workers in bid for profitability, November, p. 51.

Low-osmolality agents limit hazards of iodine, November, p. 100.

Practical details can make or break DSA, November, p. 112.

DSA equipment advances enhance vascular imaging, September, p. 84.

Digital goes to the heart, September, p. 62. IA techniques may be main use for DSA equipment, September, p. 19.

Shopping for digital equipment, August, p. 46.

Clinical horizons widen for digital radiography, July, p. 50.

Hospital group advises caution in DSA purchases, July, p. 23.

Portable DSA units provide images of ventricular function, July, p. 10.

Digital radiography: blush is off the rose, June, p. 2.

DSA can replace film angiography, UCSF team says, May, p. 7.

Film-based digital x-rays: Using energy-selective processing to subtract unwanted materials, May, p. 36.

Digital imaging wave hits the beach at RSNA meeting, February, p. 49.

Health-care agency approves DSA for Medicare coverage, February, p. 7.

Surgeon says DSA may supplant other imaging techniques, January, p. 11.

# **EMISSION TOMOGRAPHY**

PET unit images neurotransmitter receptors in vivo, November, p. 9.

Autoradiographic imaging improves PET effi-

Autoradiographic imaging improves PET efficacy, September, p. 70.

PET confirms epilepsy concept, clinical criteria, August, p. 18.

PET images show ischemia causes brain damage, August, p. 26.

SPECT said better than planar analysis for thallium imaging, July, p. 15.

Single-photon ECT on verge of widespread market acceptance, July, p. 26.

ECT still the Cinderella of nuclear medicine, June, p. 50.

Putting the numbers to ECT imaging, February, p. 51.

#### FILM

Will digital radiography replace film?, July, p. 52.

# **FILM ANGIOGRAPHY**

Low-osmolality agents limit hazards of iodine, November, p. 100.

Angiography use varies greatly in study of TIAs, September, p. 19.

DSA can replace film angiography, UCSF team says, May, p. 7.

Balloons, lasers used to clear clogged arteries, February, p. 7.

# **GOVERNMENT AFFAIRS**

FDA approval comes slowly for NMR manufacturers, November, p. 17.

CONs and DRGs: double jeopardy for NMR buyers, September, p. 25.
NEMA challenges proposed FDA rule on de-

vice reporting, September, p. 17. Ruling upholds hospital radiology service

contracts, September, p. 22. FDA rejects Technicare plan to fix CT defect,

July, p. 23.
DRG payment to place premium on cost-effi-

ciency, July, p. 7.
Reasonable charge isn't necessarily so under

Medicare, July, p. 9. Congress salvages Medicare; hospitals, doctors to foot bill, June, p. 15.

FDA approval of NMR imagers: when and how?, May, p. 11.

Bureau calls for 'judicious use' of ultrasound, April, p. 10.

New NRC rules don't solve worries over waste burial, April, p. 10.

The regulatory maze: an FDA guide to NMR, March, p. 30.

Task force review of health agency ordered by chief, March, p. 10.

Health-care agency approves DSA for Medicare coverage, February, p. 7.

Manufacturer group requests FDA panel to reclassify NMR, January, p. 10.

# **HEALTH LINES**

A healthy mind can make for a healthy body, December, p. 75.

Benefits of dietary fiber more convincing than ever, November, p. 147.

Too little iron can impair learning ability, October, p. 105.

Calcium may not be just kid stuff, Septem-

ber, p. 105.

In search for better nutrition, vitamins offer new surprises, August, p. 81.

Is medical secrecy hindering the search for AIDS cure?, July, p. 61.

Disputed dental therapy gives periodontists a toothache, June, p. 75.

Stress: can't live with it, can't live without it, May, p. 79.

Is trouble really brewing in your coffee cup?, April, p. 67.

Calcium supplements may help reduce osteoporosis, March, p. 67.

# IMAGE DISPLAY

Computerized echo gives 3D images of left ventricle, November, p. 10. With experience, what you believe is what

you see, June, p. 11.

Storage capacity, ease turn radiologists onto TV, June, p. 56.

Visual comprehension vital to success of new imaging methods, June, p. 35.

Craniofacial disorders, March, p. 36.

3D image displays bring scans to life, March, p. 54.

# INTERVENTIONAL RADIOLOGY

Coronary PTA branches out into new uses, November, p. 32.

Fibrinolytic therapy: New tool for interventional radiologists, November, p. 72. Inventive interventionalist: Dr. Dotter and his

catheter, November, p. 106. Laser angioplasty clears coronary arteries in

Laser angioplasty clears coronary arteries in initial trial, November, p. 10.

Special guidewire may help reduce renal PTA failures, November, p. 9.

Detachable spider refines occlusion of lung fistulas, September, p. 11.

Balloon angioplasty: Putting catheters to work instead of the scalpel, April, p. 40.

Extrusion catheter said to facilitate balloon placement, April, p. 13.

Potential cases for coronary PTA may reach millions, April, p. 21.

Removing renal stones with fluoroscopic guidance, March, p. 48.

Advances reported in interventional imaging techniques, February, p. 8.

Balloons, lasers used to clear clogged arteries, February, p. 7.

# **LEGAL ISSUES**

Pregnancy is ruled insufficient reason to fire x-ray tech, October, p. 18.

NJ radiologists appeal state rule on chiropractors, January, p. 10.

# MANAGEMENT

Speaker warns of DRG's impact on manufacturers, November, p. 29.

Comprehensive QC saves radiology money and time, October, p. 27.

Radiology administrators walk the cutting edge, October, p. 102.

Digital management of nuclear medicine cuts image costs, September, p. 22.

Digitized data management tool to evolve slowly, August, p. 18.

Hospitals lease imaging equipment to cut expenses, August, p. 38.

New ways to overcome the post-warranty blues, August, p. 60.

Shopping for digital equipment, August, p. 46.

Statistical model raises hospital's productivity rate, August, p. 23.

Adapting management to strategic modeling, April, p. 59.

Proactive thinking in a reactive world, April, p. 2.

Earnings from sale of exposed film to be plowed back, February, p. 7.

Shopping for imaging units requires detailed planning, January, p. 44.

# MARKETING

PACS may be technically feasible but are they cost effective?, December, p. 27.

Imaging equipment sales close in on \$4 billion mark, November, p. 55.

Marketing wars to break out in NMR imaging, November, p. 59.

Medical electronics sales will top \$7 billion by 1987, November, p. 48.

Speaker warns of DRG's impact on manufacturers, November, p. 29.

Hospital orders signal reversal of long slide in ultrasound sales, October, p. 37.

Political patchwork of Europe limits imaging devices market, September, p. 45.

Research group predicts swing to simple systems, September, p. 41.

Single-photon ECT on verge of widespread market acceptance, July, p. 26.

Commercial interests scramble for place in NMR market, June, p. 28.

European market in medical computing expected to boom, June, p. 23.

Digital equipment companies scrutinize cardiac imaging market, May, p. 27.

Diasonics makes spectacular debut with offering, April, p. 25.

Standard x-ray studies still the bread and butter of imaging, April, p. 27.

Picking winners in the medical imaging sweepstakes, February, p. 23.

Computer graphics technology moves deep into medical imaging, January, p. 27.

# **MEETINGS AND CONVENTIONS**

Europeans make imaging progress in restrained financial climate, November, p. 141.

NMR dream machine starts to take shape, October, p. 98.

RSNA sessions swell to 6 days; NMR to feature, October, p. 17.

Radiology administrators walk the cutting edge, October, p. 102.

NMR may have important role in diagnosis of brain defects, August, p. 70.

Radiotracers in nuclear medicine reveal new biochemical pathways, July, p. 59.

Digital radiographers guarded in their praise for DSA, June, p. 70.

'Jet pilots' of high-tech radiology buzz Roentgen Ray Society meeting, June, p.

Cardiologists turn sights on new heart imaging techniques, May, p. 64.

Physicists take crash course in medical imaging technology, May, p. 69.

Digital imaging wave hits the beach at RSNA, February, p. 49.

NMR sends delegates spinning at annual RSNA meeting, January, p. 57.

# MISCELLANEOUS

Glimpsing the future of diagnostic imaging, December, p. 31.

Tomoscopic device provides real-time fluoro viewing, October, p. 7.

AIDS infections attract critical radiographic study, September, p. 17.

Flywheel design reduces weight of portable x-ray, August, p. 13.

Defracted x-rays build image of penicillin target, July, p. 15.

#### MONOCLONAL ANTIBODIES

Bacteria protein may make good antibody labels, October, p. 30.

In vivo agents help pave the way for imaging MoAbs, September, p. 31.

Monoclonals, NMR highlight program at nuclear meeting, June, p. 10.

The problems and promise of monoclonal antitumor antibodies, June, p. 40.

# **NUCLEAR MAGNETIC RESONANCE**

NMR imaging of the heart, December p. 38 Design changes may reduce cost of NMR magnets, November, p. 45.

FDA approval comes slowly for NMR manufacturers, November, p. 17.

Finnish firm introduces NMR; offers U.S. stock, November, p. 48.

Fonar to install 8 NMR systems by March 1984, November, p. 51.

IGC to supply supercon magnets to Technicare, November, p. 51.

care, November, p. 51.
The many faces of NMR imaging: issues to ponder before buying, November, p. 65.

Marketing wars to break out in NMR imaging, November, p. 59.

NMR team obtains in vivo images of chemical shift, November, p. 10.

Real-time NMR can create images in 10 milliseconds, November, p. 15.

There's no doubt GE intends to grab NMR leadership, November, p. 53.

The black hole of NMR ignorance, October, p. 2.

Creating elegant images from a storm of NMR signals, October, p. 41.

Outpatient NMR imaging firm leases Technicare scanner, October, p. 27.

Shielding protects high-field NMR from distortion, October, p. 7.

CONs and DRGs: double jeopardy for NMR buyers, September, p. 25.

Company offers NMR workshops and consultation, September, p. 37.

NMR glossary standardizes terms and symbols, September, p. 24.

Ohio holds up equipment sales with moratorium, September, p. 17.

NMR manufacturers clear first hurdle of FDA approval, August, p. 37.

The NMR phenomenon: Putting spinning nuclei to work, August, p. 41.

Japanese firms show NMR imagers at Osaka meeting, July, p. 23.

ADAC initiates NMR development, acquires x-ray firm, June, p. 25.

Commercial interests scramble for place in NMR market, June, p. 28.

Illinois reviews utility of NMR, restricts sales, June, p. 11.

M & D disavows association with OMR Medi-

cal, June, p. 23. Monoclonals, NMR highlight program at nu-

clear meeting, June, p. 10. FDA approval of NMR imagers: when and

how, May, p. 11. NMR system makes chemical analyses of head, torso, May, p. 19.

Human design factors challenge NMR developers, May, p. 57.

New definition of nuclear medicine encompasses NMR, May, p. 9.

Researchers seek NMR application in breast screening, May, p. 9.

Hospital group opposes limit on NMR installations, April, p. 8.

'Lodestone' technology comes to NMR imaging, April, p, 32.

NMR has potential to detect cancer, Baylor group says, April, p. 10.

Cleveland Clinic builds \$3 million NMR facility, March, p. 7.

Learning center equipped with NMR paraphernalia, March, p. 12. NMR manufacturers announce sites for test

devices, March, p. 23.
The regulatory maze: an FDA guide to NMR,

March, p. 30.
GE medical unit charts broad NMR strategy,

February, p. 16.

IBM makes pact to study NMR with Harvard,

MIT, February, p. 17.
Tuning out noise to enhance the NMR im-

age, February, p. 42.

GE unit at Duke to be used for metabolic studies, January, p. 19.

Fonar introduces 3000 gauss permanent magnet, January, p. 19.

Free-standing clinic to perform NMR on fixed fee basis, January, p. 22.

Manufacturer group requests FDA panel to reclassify NMR, January, p. 10.

NMR investigators throw straws in the wind, January, p. 2.

NMR sends delegates spinning at annual RSNA meeting, January, p. 57.

Scots' NMR group seeks success with quantitative data, January, p. 18.

# **NUCLEAR MEDICINE**

Potent new clinical tools come to nuclear cardiology, November, p. 86.

Radiolabeled cells trace infection, October, p. 17.

Digital management of nuclear medicine cuts image costs, September, p. 22.

CT, nuclear studies used to diagnose osteoporosis, August, p. 17.

PET confirms epilepsy concept, clinical criteria, August, p. 18.

PET images show ischemia causes brain damage, August, p. 26.

Space program yields new camera for cardiac imaging, August, p. 7.

ac imaging, August, p. 7.

Survey attributes misadministrations to personnel errors, August, p. 17.

Nuclear medicine opens new frontiers, July, p. 2

Radiotracers in nuclear medicine reveal new biochemical pathways, July, p. 59.

SPECT said better than planar analysis for thallium imaging, July, p. 15.

Single-photon ECT on verge of widespread market acceptance, July, p. 26.

Despite worries, SNM leaders see bright future, June, p. 8.

ECT still the Cinderella of nuclear medicine, June, p. 50.

Monoclonals, NMR highlight program at nu-

clear meeting, June, p. 10.

The problems and promise of monoclonal antitumor antibodies, June, p. 40.

Radioactive waste threatens to impede nuclear medicine, June, p. 7.

# Editorial Index

New definition of nuclear medicine encompasses NMR, May, p. 9.

Portable device traces radioactivity in patient's body, May, p. 23.

Short-lived radionuclides perk up nuclear cardiology, April, p. 52.

Technetium study aims to broaden radionuclide's use, April, p. 8.

# **OBSTETRICS/GYNECOLOGY**

Prenatal ultrasound helps parents cope with birth defects, October, p. 18.

Prenatal ultrasound requires caution to avoid mistakes, October, p. 13.

Prenatal ultrasound screening intensifies maternal-fetal bonding, October, p. 48.

Obstetric state-of-the-art is better but still awkward, October, p. 94.

Obstetricians and radiologists face off, October, p. 70.

Ultrasound unveils complex fetal world, October, p. 68.

Ear scans reveal gestational ages of abnormal fetuses, September, p. 15.

3D ultrasound tracks fetal growth, atherosclerosis, August, p. 13.

Imaging the unborn, July, p. 36.

Ultrasound helpful in diagnosing ectopic pregnancies, May, p. 9.

Ultrasound scans make possible life-saving therapy, May, p. 7.

Study documents impact of 2D echo on neonatal care, April, p. 8.

Ob/Gyn experts use ultrasound tracings to monitor fetuses, March, p. 11.

Ultrasound guide helps cut risks of amniocentesis, March, p. 11.

# PEDIATRIC RADIOLOGY

New fiber optics may brighten future of transillumination, September, p. 9.

Imaging the unborn, July, p. 36.

Study documents impact of 2D echo on neonatal care, April, p. 8.

Neonatal brain scanning: choosing between modalities, February, p. 28.

Portable ultrasound gives good results at Duke nursery, February, p. 8.

Pediatric radiology: the child is not a small adult, January, p. 41.

# PERSONAL FINANCE

Dangers of exotic tax shelters turn investors to real estate, November, p. 171.

Hardship down on the farm presents investment opportunity, October, p. 113

Market potential spurs high technology investments, September, p. 102.

Stock market rally, imaging economics lure entrepreneurs, September, p. 37.

Real estate partnerships attract weary investors, August, p. 87.

Making real estate pay during times of low inflation, May, p. 89.

How to be a wizard at high tech investing, April, p. 72.

Retirement plan investments: sorting through the options, March, p. 72.

Tax haven banking can enhance profit margins, February, p. 66.

Kinetic investments harness survival instincts of industry, January, p. 72.

#### RADIATION

New data rekindle radiation debate, November, p. 94.

University cited for violating radioactivity rules, November, p. 32.

Survey attributes misadministrations to personnel errors, August, p. 17.

British initiate another study of radiation limits, June, p. 13.

Radioactive waste threatens to impede nuclear medicine, June, p. 7.

New NRC rules don't solve worries over waste burial, April, p. 10.

Cancer institute to study bio-effects of low radiation, February, p. 8.

#### **RADIOLOGY ISSUES**

Achieving a truce in turf battles, November, p. 5.

Exhibit hall capers keep manufacturers edgy, November, p. 132.

Keeping imaging standards up to protect turf, November, p. 83.

Medical education may overemphasize diagnostic devices, November, p. 36.

Specialists square off in radiologic tug-ofwar, November, p. 80.

Pregnancy is ruled insufficient reason to fire x-ray tech, October, p. 18.

Prenatal ultrasound screening intensifies maternal-fetal bonding, October, p. 48.

Treading radiology's turf, October, p. 102. Dispelling the myth of error-free practice, September, p. 2.

European group urges cooperation in biomedicine, September, p. 22.

Learning from mistakes in radiologic practice, September, p. 50.

Technology and other life and death issues, August, p. 2. Nondiagnostic factors influence quest for di-

agnostic accuracy, July, p. 31. Physicians discount radiologists' role in sub-

specialties, July, p. 9. Physicians dispute studies, opinions oppos-

ing boxing, July, p. 9. A machine cannot dispense a cure, May, p.

Tracking the common threads of diagnostic

imaging, May, p. 31. RSNA exhibitors complain about industrial

espionage, March, p. 21.

Early obsolescence in store for some radiologists?, February, p. 7.

# RADIOPHARMACEUTICALS

Radiolabeled cells trace infection. October. p. 17.

# SLOT RADIOGRAPHY

Slot radiographic device limits x-ray scatter, September, p. 78.

# SPINAL IMAGING

New diagnostic techniques expose the spinal cord. October, p. 80.

Ultrasound guides scalpel to spinal cord lesions, October, p. 76.

# **TECHNOLOGISTS**

Neglected techs seek footing in ultrasound,

October, p. 84.

Pregnancy is ruled insufficient reason to fire x-ray tech, October, p. 18.

# TECHNOLOGY ASSESSMENT

High technology can help control health-care costs, November, p. 36.

Speaker warns of DRG's impact on manufacturers, November, p. 29.

# TELERADIOGRAPHY

Teleradiology network links health-care facilities. August. p. 65.

Remote diagnosis of radiographs aids NH physician, April, p. 21.

Trial evaluates potential utility of teleradiography, February, p. 7.

#### THERMOGRAPHY

Can thermography find patients at risk for stroke?, November, p. 18.

Can a computer raise the efficacy of thermography?, September, p. 40.

The thermography debate-more heat than light?, May, p. 46.

# TRANSILLUMINATION

New fiber optics may brighten future of transillumination, September, p. 9.

#### ULTRASOUND

Computerized echo gives 3D images of left ventricle, November, p. 10.

Doppler, pulse echo combine to quantify carotid disease, October, p. 18.

Doppler ultrasound with 2D echo aids cardiologists, October, p. 11.

Neglected techs seek footing in ultrasound, October, p. 84.

Prenatal ultrasound helps parents cope with birth defects, October, p. 18.

Prenatal ultrasound requires caution to avoid mistakes, October, p. 13.

Prenatal ultrasound screening intensifies maternal-fetal bonding, October, p. 48.

Obstetric state-of-the-art is better but still awkward, October, p. 94.

Obstetricians and radiologists face off, October, p. 70.

Sound waves track cardiac flow, October, p.

Ultrasonography grows and prospers at major hospitals, October, p. 17.

Ultrasound guides scalpel to spinal cord lesions, October, p. 76.

Ultrasound unveils complex fetal world, October, p. 68.

In vivo ultrasound and shock waves zap kidney stones, September, p. 5.

Tissue acoustics allow assessment of disease states, September, p. 25.

Toothbrush-sized ultrasound probes aid cardiologists, September, p. 9.

3D ultrasound tracks fetal growth, atherosclerosis, August, p. 13.

Ultrasonic phantom simulates tissues to aid calibration, August, p. 9.

Ultrasound device enables in-office breast aspiration, August, p. 9.

Imaging the unborn, July, p. 36.

Researchers laud linear phased array ultrasound device, June, p. 19.

Demystifying the black boxes of ultrasound imaging, June, p. 79.

Ultrasound helpful in diagnosing ectopic pregnancies, May, p. 9.
Ultrasound scans make possible life-saving

therapy, May, p. 7.
Bureau calls for 'judicious use' of ultrasound,

April, p. 10.

Miniature probe gives endoscope sonic capability, April, p. 8.

Study documents impact of 2D echo on neonatal care, April, p. 8.

Ultrasound superior to arthrography in diagnosing cysts, April, p. 10.

Ob/Gyn experts use ultrasound tracings to monitor fetuses, March, p. 11.
Ultrasound guide helps cut risks of amnio-

centesis, March, p. 11. Neonatal brain scanning: Choosing between

modalities, February, p. 28.
Portable ultrasound gives good results at

Duke nursery, February, p. 8.
Ultrasound probe can be placed on beating heart, January, p. 7.

# **WASHINGTON REPORT**

Industry dollars chase answers to questions of technology's cost, December, p. 23. DRG's cut radiologists' fees, raise questions about peer review, November, p. 41.

Conspiracy of vague rules keeps PRO contenders in the dark, October, p. 25.

CON applications play leading role in new push for health planning, September, p. 29. DRG payment scheme may rock radiological practice, August, p. 31.

'40% test' start-up delayed; regulatory softness alleged, July, p. 19.

Congress salvages Medicare; hospitals, doctors to foot bill, June, p. 15.

Radiologists give '40% test' less than 100% support, May, p. 15.

Prospective payment bandwagon rolls into Congress, April, p. 15.

Switch in HHS leadership won't help sluggish bureaucracy, March, p. 17.

Radiologists' trade practices target of FTC probe, February, p. 13.

98th Congress to face 'guns vs. canes' budget battles, January, p. 15.

# Author

Abernathy, DL: December, p. 30. Adhar, GC: October, p. 58. Agee, HD: March, p. 72. Albert, AS: November, p. 72. Alvarez, RE: May, p. 36. Amplatz, K: September, p. 78; March, p. 48.

Bettmann, MA: November, p. 100. Boteler, JC: June, p. 28. Bouchard, E: January, p. 44. Broadhurst, IR: September, p. 45. Brockmeyer, R: October, p. 113. Budinger, TF: March, p. 54. Busch, A: May, p. 57.

Capehart, CE: October, p. 37; April, p. 27. Carswell, H: January, p. 41. Cassell, D: May, p. 36. Chafetz, NI: January, p. 32.

Dillman, RO: June, p. 40.
Dodd, GR: November, p. 83.
Drew, PG: November, p. 65; October, p.
41; August, p. 41; February, p. 23.
Dundon, RB: April, p. 59.

Eckley, AK: November, p. 132; October, p. 84; August, p. 65; May, p. 46. Elms, D: August, p. 84. Enzmann, DR: July, p. 31. Evans, MI: October, p. 48.

Haerton, RL: July, p. 26.

Fletcher, JC: October, p. 48. Freimarck, RD: December, p. 48; November, p. 112. Fullerton, GD: June, p. 35.

Garcia, E: February, p. 2. Genant, HK: January, p. 32. Gibson, OP: February, p. 66. George, M: February, p. 2; January, p. 66. Gould, RG: June, p. 56.

Hagan, PL: June, p. 40
Halpern, SE: June, p. 40.
Helms, CA: January, p. 32.
Hendee, WR: December, p. 31; May, p. 31.
Hershey, DJ: September, p. 102.
Hess, TP: November, p. 120; October, p. 102.
Higgins, CB: December, p. 38.
Hobbins, JC: October, p. 68.
Hunt, KA: December, p. 23; November, p. 41; October, p. 25; September, p. 29; August, p. 31; July, p. 19; June, p. 15; May, p. 15; April, p. 15; March, p. 17; February, p. 13; January, p. 15

Jafek, BJ: September, p. 70. Jeanty, P: October, p. 94. Johnson, ML: February, p. 28. Johnson, RS: December, p. 58; May, p. 64.

Kalivoda, FJ: August, p. 60. Katzen, BT: November, p. 72. Keyes, JW: June, p. 50.

Lai, CM: February, p. 42. Lambrecht, LG: August, p. 60. LeFree, MT: September, p. 62. Linton, O: November, p. 80; October, p. 102. Lodwick, GS: November, p. 159; May, p. 84.

Marsh, JL: March, p, 36. Marx, S: October, p. 76. Masi, CG: April, p. 32. Mena, I: April, p. 52. Morgan, J: February, p. 2.

Ludwig, JS: September, p. 84.

Moskowitz, M: July, p. 44.

Nanda, NC: October, p. 58. Nollenberger, B: April, p. 72. Nordstrom, JH: August, p. 87.

Odermann, DK: November, p. 171.
Ogle, PL: December, p. 2; December, p. 52; November, p. 51; November, p. 106; November, p. 141; October, p. 2; October, p. 98; September, p. 2; August, p. 2; July, p. 50; July, p. 2; July, p. 59; June, p. 70; June, p. 61; May, p. 69; April, p. 2; March, p. 2; February, p. 49; January, p. 2;

Peyster, RG: September, p. 89.

January, p. 57.

Reece, EA: October, p. 68. Reed, WE: January, p. 72. Richards, M: July, p. 69; June, p. 79. Roberts, RD: May, p. 89. Rollo, FD: August, p. 46. Rumack, CM: February, p. 28.

Sanders, JG: May, p. 89. Sashin, D: November, p. 126. Schneider, RH: March, p. 30. Staples, DM: January, p. 72. Stephenson, GT: January, p. 27. Sternglass, EJ: November, p. 126.

Tegtmeyer, CJ: April, p. 40. Thrall, JH: November, p. 86.

Vannier, MW: March, p. 36.
Vinocur, B: December, p. 75; November, p. 94; November, p. 147; October, p. 68; October, p. 70; October, p. 105; September, p. 105; August, p. 54; August, p. 81; July, p. 36; July, p. 61; June, p. 75; May, p. 79; April, p. 67; March, p. 67.
Vogel, RA: September, p. 62.

Wesner, D: April, p. 69. Wheeler, PS: September, p. 50. White, AC: May, p. 27.

Zielonka, JS: December, p. 90

